



# Where are we going?

**NOAA's satellite R&O (Research & Operations)  
transition project and NOAA Fisheries**

# Senate language for NOAA in the FY05 Budget

- NOAA's mission is to fly operational satellites, but little of the sensor technology developed by NASA has been picked up by NOAA
- *“Provide NOAA the capability to transition NASA remote sensed ocean measurements into operational products for the user community”*
- Observations explicitly mentioned: “ocean winds from **scatterometers**...sea level...from **altimeters**, and...**ocean color**”
- Initially a one-year \$4M level of effort in FY05, with no assurance for continuation, it was continued in FY06 at \$4M





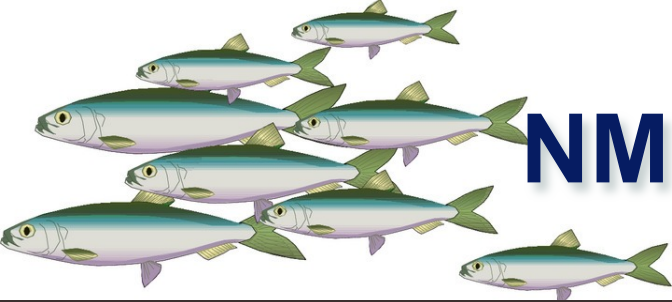


# The Bottom Line...



- NOAA will be taking over the operational acquisition of major satellite measurements such as SSH, ocean color and surface winds.
- In support of this, NOAA needs to demonstrate the **operational use of these data** within the agency.
- NMFS and NOS are the two NOAA LOs involved with the operational use of oceanic satellite data (ie non weather). **For the open ocean, NMFS is the only LO.**





# NMFS R&O FY05 Project

**Facilitate access to multiple satellite data sets  
to meet fisheries & IOOS needs**

**\$98K awarded**

## **Primary results:**

- **Establishment of internal NMFS-satellite working group**
- **A series of informational seminars given at all 6 Fisheries Science Centers during the summer of 2005 (and continued into 2006...)**
- **Access provided to global time-series of satellite-derived primary productivity, SSH and geostrophic currents via new Coastwatch West Coast Data Browser, the Oceanwatch Live Access Server (LAS) and by OPeNDAP technology at NOAA/NMFS/SWFSC/ERD**



# Outreach & Advocacy

- The NMFS task differed from the other R&O FY05 tasks in that it was not specifically focused on one of the three satellite data products (vector winds, SSH and ocean color) but rather on developing “user pull” and generating advocacy, for the enhanced usage of satellite data within NMFS.
- This task increased the visibility of satellite usage within NMFS, as well as fostered an advocacy base for satellite data within NMFS. Both these issues are crucial now, and will be more so in the future, to justify the need for NOAA to fly operational satellites to collect environmental satellite data, as mandated by Congress.
- The outreach-related component of this task (visits to multiple NMFS laboratories) used minimal funds (6.5K), though leveraging the time and effort of existing staff (a considerable effort).





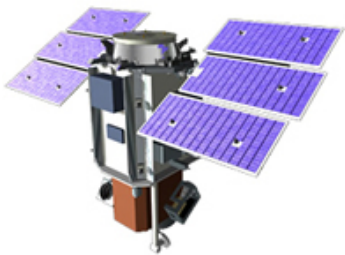


# NMFS R&O FY06 Projects

**\$330K expected to be awarded**

- Funding for this workshop - travel support for all NOAA participants.
- 4 NMFS scholarships given for 2-week satellite training course at Cornell University
- Develop 3-day, GIS-based, satellite training course at OSU in Aug, for 25-30 participants from NMFS and NOS. Travel costs will be provided to participants.
- Develop ocean color frontal products
- Add climatalogies to satellite data servers at SWFSC/ERD





# Satellite Data Training Course

- 3-day course for NMFS and NOS participants who are interested in using satellite data
- Aug 22-24, 2006 at OSU/CIOSS in Corvallis, OR
- Funds available from NOAA's Satellite Transition R&O (Research and Operations) project to cover participants travel costs
- Workshop participants will be informed about class as details develop further

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# R&O FY07 Projects?

- Potential for collaborating with NASA for a joint RFP.
- Increase scholarships for Monger's satellite course at Cornell to 6 - one per science center.
- Continue to offer shorter, GIS-based satellite training course
- “Point in time” data access development?
- No guarantee that congressional earmark will be given.







# NMFS-Satellite group

- Established Jan 2005
- Satellite POCs for each science center (appointed by lab director)

|       |   |
|-------|---|
| AFSC  | Jeff Napp (Seattle)                         |
| NEFSC | Jay O' Reilly ( <b>Narragansett</b> )       |
| NWFSC | Bill Peterson ( <b>Newport</b> )            |
| PIFSC | <b>Jeff Polovina</b> (Honolulu)             |
| SEFSC | <b>Tom Leming</b> ( <b>Mississippi</b> )    |
| SWFSC | <b>Cara Wilson</b> ( <b>Pacific Grove</b> ) |
| ST    | Kenric Osgood (Silver Spring)               |

***POC also a CoastWatch PI***

***Labs outside of the regional HQ laboratory***



# Acknowledgments



*Special thanks to*

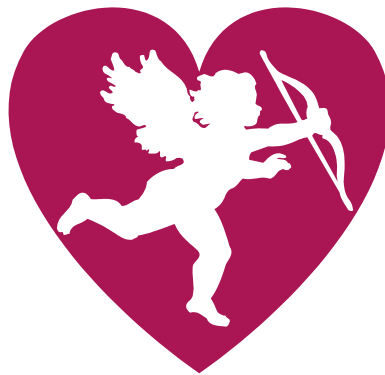
*Stan Wilson and John Pereira (NESDIS)*

*and*

*NOAA's Satellite Research & Operations (R&O)  
transition project*







# NASA/NOAA Love Fest 2007?

Kasitsna Bay, Alaska  
(invite courtesy of Kris  
Holderied, NOS)

(BYOB)

